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PATENT CASE: CD01352

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Application of: Shen-Chun Kuo

For Patent For: **SYNTHESIS OF  
TEMOZOLOMIDE AND ANALOGS**

Serial No.: **10/050,768**

Filed: **January 16, 2002**  
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Group Art Unit: **1624**

Examiner: V. BALASUBRAMANIAN

Schering-Plough Corporation  
Kenilworth, New Jersey 07033-0530

Assistant Commissioner of Patents  
Washington, D.C. 20231

**AMENDMENT IN RESPONSE TO OFFICE ACTION**

This amendment is being filed in response to the Office Action mailed June 6,  
2002. Please amend the application as follows:

**In the specification:**

Please amend the specification as follows:

(Amended, Page 8 of specification lines 3-17) The oxidizing/cyclizing agent  
may be, for example, periodic acid ( $\text{H}_5\text{IO}_6$ ), iodine/potassium iodate, bromine or  
chlorine, or a reagent that oxidizes  $\text{NH}_2$  to  $\text{NZ}$ , where Z represents oxygen, ( $\text{H}, \text{Hal}$ ),  
or  $\text{Hal}_2$ , wherein Hal is halogen and wherein the halogen is chlorine, bromine or  
iodine. Other suitable oxidizing agents include  $\text{KI}/\text{KIO}_3$ ,  $\text{I}_2$ ,  $\text{I}_2/\text{KIO}_3$ ,  $\text{ICl}$ ,  $\text{ICl}_3$ ,  $\text{I}_2\text{O}_5$ ,  
 $\text{NCS}/\text{Me}_2\text{S}$ ,  $\text{NBS}/\text{Me}_2\text{S}$ ,  $\text{DCC}/\text{DMSO}/\text{H}_3\text{PO}_4$ , peracetic acid,  $\text{VO}(\text{acac})_2/\text{O}_2$ ,  
 $\text{VO}(\text{acac})_2/\text{t-BuOOH}$ ,  $\text{V}_2\text{O}_5$ ,  $\text{Bu}_4\text{NI}/\text{O}_2$ , and  $\text{MnO}_2$ . Preferably, the oxidizing agent is  
 $\text{H}_5\text{IO}_6$  and the reaction is preformed in the presence of an iodide that is soluble in  
the reaction medium, the medium being an inert organic solvent.

(Amended, page, 12, lines 21-23) The reaction mixture was stirred vigorously

for 4 hours and then left to stand for 18 hours at room temperature. The precipitate

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